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(71) **Applicant (for all designated States except US): UNITED UTILITIES PLC [GB/GB]; Dawson House, Great Sankey, Warrington WA5 3JW (GB)**

(72) **Inventor:** and
(75) **Inventor/Applicant (for US only):** SAGE, Paul [GB/GB];
North West Water Limited, Dawson House, Great Sankey,

(74) **Agent:** HOLMES, Matthew, Peter; Marks & Clerk, Sussex House, 83-85 Mosley Street, Manchester M2 3LG (GB)

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(54) Title: PIPE NETWORK OPTIMISATION

(57) Abstract: A method of optimising a model of pipe network with respect to a predetermined criteria, such as costs. In particular, the method provides an efficient way of minimising the cost of rehabilitating a water pipe network. The invention provides a method of optimising proposals for pipes within a network without violating operating criteria of the network. The invention further provides the methods of determining the hydraulic significance of pipes within a pipe network, and determining the peak flow requirements of each pipe.